

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/626,477A
Source: IFW
Date Processed by STIC: 12-8-04

ENTERED



IFWO

RAW SEQUENCE LISTING

DATE: 12/08/2004

PATENT APPLICATION: US/10/626,477A

TIME: 16:37:56

Input Set : D:\56446-20081.00 - SEQ (client revised).txt

Output Set: N:\CRF4\12072004\J626477A.raw

3 <110> APPLICANT: Keller, Martin
 4 Zengler, Karsten
 6 <120> TITLE OF INVENTION: High Throughput or Capillary-Based Screening for a
 Bioactivity or
 8 <130> FILE REFERENCE: 564462008100
 10 <140> CURRENT APPLICATION NUMBER: 10/626,477A
 11 <141> CURRENT FILING DATE: 2003-07-23
 13 <150> PRIOR APPLICATION NUMBER: 10/145,281
 14 <151> PRIOR FILING DATE: 2002-05-13
 16 <150> PRIOR APPLICATION NUMBER: 09/685,432
 17 <151> PRIOR FILING DATE: 2000-10-10
 19 <150> PRIOR APPLICATION NUMBER: 09/444,112
 20 <151> PRIOR FILING DATE: 1999-11-22
 22 <150> PRIOR APPLICATION NUMBER: 09/098,206
 23 <151> PRIOR FILING DATE: 1998-06-16
 25 <150> PRIOR APPLICATION NUMBER: 08/876,276
 26 <151> PRIOR FILING DATE: 1997-06-16
 28 <160> NUMBER OF SEQ ID NOS: 9
 30 <170> SOFTWARE: PatentIn version 3.2
 32 <210> SEQ ID NO: 1
 33 <211> LENGTH: 20
 34 <212> TYPE: DNA
 35 <213> ORGANISM: Artificial Sequence
 37 <220> FEATURE:
 38 <223> OTHER INFORMATION: forward primer (27F)
 40 <400> SEQUENCE: 1
 41 agagtttgat cctggctcag 20
 44 <210> SEQ ID NO: 2
 45 <211> LENGTH: 19
 46 <212> TYPE: DNA
 47 <213> ORGANISM: Artificial Sequence
 49 <220> FEATURE:
 50 <223> OTHER INFORMATION: reverse primer (1492R)
 52 <400> SEQUENCE: 2
 53 ggttaccttg ttacgactt 19
 56 <210> SEQ ID NO: 3
 57 <211> LENGTH: 24
 58 <212> TYPE: DNA
 59 <213> ORGANISM: Artificial Sequence
 61 <220> FEATURE:
 62 <223> OTHER INFORMATION: vector specific primer (CA98)
 64 <400> SEQUENCE: 3
 65 acttccggct cgtatattgt gtgg 24
 68 <210> SEQ ID NO: 4

RAW SEQUENCE LISTING

DATE: 12/08/2004

PATENT APPLICATION: US/10/626,477A

TIME: 16:37:56

Input Set : D:\56446-20081.00 - SEQ (client revised).txt

Output Set: N:\CRF4\12072004\J626477A.raw

```

69 <211> LENGTH: 25
70 <212> TYPE: DNA
71 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
74 <223> OTHER INFORMATION: vector specific primer (CA103)
76 <400> SEQUENCE: 4
77 acgactcact atagggcgaa ttggg
80 <210> SEQ ID NO: 5
81 <211> LENGTH: 132
82 <212> TYPE: PRT
83 <213> ORGANISM: Unknown
85 <220> FEATURE:
86 <223> OTHER INFORMATION: environmental sample
88 <400> SEQUENCE: 5
90 Leu Ser Thr Gly Cys Thr Ser Gly Leu Asp Ser Val Gly Tyr Ala Val
91 1 5 10 15
94 Gln Leu Ile Arg Glu Gly Ser Ala Asp Val Val Ile Ala Gly Ala Ala
95 20 25 30
98 Asp Thr Pro Val Ser Pro Ile Val Val Ala Cys Phe Asp Ala Ile Lys
99 35 40 45
102 Ala Thr Thr Pro Arg Asn Asp Asp Pro Glu His Ala Ser Arg Pro Phe
103 50 55 60
106 Asp Gly Thr Arg Asn Gly Phe Val Leu Ala Glu Gly Ala Ala Met Phe
107 65 70 75 80
110 Val Leu Glu Glu Tyr Glu Ala Ala Lys Arg Arg Gly Ala His Ile Tyr
111 85 90 95
114 Ala Glu Val Gly Gly Tyr Ala Thr Arg Cys Asn Ala Tyr His Met Thr
115 100 105 110
118 Gly Leu Lys Lys Asp Gly Arg Glu Met Ala Glu Ala Ile Arg Ala Ala
119 115 120 125
122 Leu Asp Glu Ala
123 130
126 <210> SEQ ID NO: 6
127 <211> LENGTH: 132
128 <212> TYPE: PRT
129 <213> ORGANISM: S. cyaneus
131 <400> SEQUENCE: 6
133 Val Ser Thr Gly Cys Thr Ser Gly Leu Asp Ala Val Gly Tyr Ala Phe
134 1 5 10 15
137 His Thr Ile Glu Gly Arg Ala Asp Val Cys Ile Ala Gly Ala Ser
138 20 25 30
141 Asp Ser Pro Ile Ser Pro Ile Thr Met Ala Cys Phe Asp Ala Ile Lys
142 35 40 45
145 Ala Thr Ser Pro Asn Asn Asp Asp Pro Glu His Ala Ser Arg Pro Phe
146 50 55 60
149 Asp Ala His Arg Asp Gly Phe Val Met Gly Glu Gly Ala Ala Val Leu
150 65 70 75 80
153 Val Leu Glu Glu Leu Glu His Ala Arg Ala Arg Gly Ala His Val Tyr
154 85 90 95

```

25

RAW SEQUENCE LISTING

DATE: 12/08/2004

PATENT APPLICATION: US/10/626,477A

TIME: 16:37:56

Input Set : D:\56446-20081.00 - SEQ (client revised).txt

Output Set: N:\CRF4\12072004\J626477A.raw

```

157 Cys Glu Ile Gly Gly Tyr Ala Thr Phe Gly Asn Ala Tyr His Met Thr
158                               100                105                110
161 Gly Leu Thr Ser Glu Gly Leu Glu Met Ala Arg Ala Ile Asp Val Ala
162                115                120                125
165 Leu Asp His Ala
166                130
169 <210> SEQ ID NO: 7
170 <211> LENGTH: 132
171 <212> TYPE: PRT
172 <213> ORGANISM: S. halstedii
174 <400> SEQUENCE: 7
176 Val Ser Thr Gly Cys Thr Ser Gly Leu Asp Ala Val Gly Tyr Ala Tyr
177 1                5                10                15
180 His Ala Ile Ala Glu Gly Arg Ala Asp Val Cys Leu Ala Gly Ala Ser
181                20                25                30
184 Asp Ser Pro Ile Ser Pro Ile Thr Met Ala Cys Phe Asp Ala Ile Lys
185                35                40                45
188 Ala Thr Ser Pro Ser Asn Asp Asp Pro Glu His Ala Ser Arg Pro Phe
189                50                55                60
192 Asp Ala Arg Arg Asn Gly Phe Val Met Gly Glu Gly Gly Ala Val Leu
193 65                70                75                80
196 Val Leu Glu Glu Leu Glu His Ala Arg Ala Arg Gly Ala Asp Val Tyr
197                85                90                95
200 Cys Glu Leu Ala Gly Tyr Ala Thr Phe Gly Asn Ala His His Met Thr
201                100                105                110
204 Gly Leu Thr Arg Glu Gly Leu Glu Met Ala Arg Ala Ile Asp Thr Ala
205                115                120                125
208 Leu Asp Met Ala
209                130
212 <210> SEQ ID NO: 8
213 <211> LENGTH: 132
214 <212> TYPE: PRT
215 <213> ORGANISM: S. peucetius
217 <400> SEQUENCE: 8
219 Val Ser Ala Gly Cys Thr Ser Gly Ile Asp Ser Ile Gly Tyr Ala Cys
220 1                5                10                15
223 Glu Leu Ile Arg Glu Gly Thr Val Asp Ala Met Val Ala Gly Gly Val
224                20                25                30
227 Asp Ala Pro Ile Ala Pro Ile Thr Val Ala Cys Phe Asp Ala Ile Arg
228                35                40                45
231 Ala Thr Ser Asp His Asn Asp Thr Pro Glu Thr Ala Ser Arg Pro Phe
232                50                55                60
235 Ser Arg Ser Arg Asn Gly Phe Val Leu Gly Glu Gly Gly Ala Ile Val
236 65                70                75                80
239 Val Leu Glu Glu Ala Glu Ala Ala Val Arg Arg Gly Ala Arg Ile Tyr
240                85                90                95
243 Ala Glu Ile Gly Gly Tyr Ala Ser Arg Gly Asn Ala Tyr His Met Thr
244                100                105                110
247 Gly Leu Arg Ala Asp Gly Ala Glu Met Ala Ala Ala Ile Thr Ala Ala

```

RAW SEQUENCE LISTING

DATE: 12/08/2004

PATENT APPLICATION: US/10/626,477A

TIME: 16:37:56

Input Set : D:\56446-20081.00 - SEQ (client revised).txt

Output Set: N:\CRF4\12072004\J626477A.raw

```

248          115          120          125
251 Leu Asp Glu Ala
252          130
255 <210> SEQ ID NO: 9
256 <211> LENGTH: 132
257 <212> TYPE: PRT
258 <213> ORGANISM: E. coli
260 <400> SEQUENCE: 9
262 Ile Ala Thr Ala Cys Thr Ser Gly Val His Asn Ile Gly His Ala Ala
263 1          5          10          15
266 Arg Ile Ile Ala Tyr Gly Asp Ala Asp Val Met Val Ala Gly Gly Ala
267          20          25          30
270 Glu Lys Ala Ser Thr Pro Leu Gly Val Gly Gly Phe Gly Ala Ala Arg
271          35          40          45
274 Ala Leu Ser Thr Arg Asn Asp Asn Pro Gln Ala Ala Ser Arg Pro Trp
275          50          55          60
278 Asp Lys Glu Arg Asp Gly Phe Val Leu Gly Asp Gly Ala Gly Met Leu
279 65          70          75          80
282 Val Leu Glu Glu Tyr Glu His Ala Lys Lys Arg Gly Ala Lys Ile Tyr
283          85          90          95
286 Ala Glu Leu Val Gly Phe Gly Met Ser Ser Asp Ala Tyr His Met Thr
287          100          105          110
290 Ser Pro Pro Glu Asn Gly Ala Gly Ala Ala Leu Ala Met Ala Asn Ala
291          115          120          125
294 Leu Arg Asp Ala
295          130

```

VERIFICATION SUMMARY

DATE: 12/08/2004

PATENT APPLICATION: US/10/626,477A

TIME: 16:37:57

Input Set : D:\56446-20081.00 - SEQ (client revised).txt

Output Set: N:\CRF4\12072004\J626477A.raw